

#2

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: HUANG ET AL.
DOCKET NO.: A-7220
TITLE: USING A RECEIVER MODEL TO MULTIPLEX VARIABLE-RATE
BIT STREAMS HAVING TIME CONSTRAINTS

MARCH 13, 2001

TRANSMITTAL of INFORMATION DISCLOSURE STATEMENT

BOX PATENT APPLICATION

Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing in the above-identified patent application, please find:

1. X 2 Page Information Disclosure Statement
2. X Form PTO-1449
3. X Copy of Cited Art

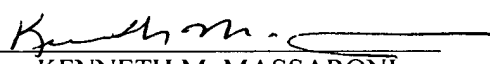
In the event a fee is required, the Commissioner is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to our Deposit Account No. 19-0761. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted:

SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc.
Intellectual Property Department
5030 Sugarloaf Parkway
Lawrenceville, GA 30044

By:

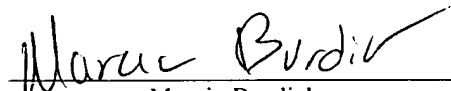

KENNETH M. MASSARONI
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CERTIFICATE OF MAILINGEXPRESS MAIL NO.: EL745332925US

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as EXPRESS MAIL in an envelope addressed to:

BOX PATENT APPLICATION
Commissioner for Patents
Washington, DC 20231

on MARCH 13, 2001.


Marcia Burdick

#2

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MARCH 13, 2001

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

BOX PATENT APPLICATION

Commissioner for Patents
Washington, DC 20231

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

- ☒ under 37 CFR 1.97(b), or
(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement Under 37 C.F.R. 1.97(e), or
☐ a \$240.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a petition under 37 CFR 1.97(d)(2), and
☐ a \$130.00 petition fee set forth in 37 CFR 1.17(i)(1).
(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge \$0.00 to deposit account 19-0761. At any time during the pendency of this application, please charge any fees required to Deposit Account 19-0761 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 19-0761.

- ☒ Applicant(s) submit herewith *Form PTO 1449 - Information Disclosure Citation* together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.

The Cited Art includes:

1. U.S. 4,636,858
2. U.S. 5,216,503
3. U.S. 5,461,619
4. U.S. 5,479,498
5. U.S. 5,537,148
6. U.S. 5,543,853
7. U.S. 5,550,589
8. U.S. 5,556,208
9. U.S. 5,561,791
10. U.S. 5,594,729
11. U.S. 5,598,415
12. U.S. 5,862,140
13. U.S. 5,877,812
14. "Statistical Multiplexing of Multiple MPEG-2 Video Programs in a Single Channel", Mike Perkins and David Arnstein, SMPTE Journal, September 1995, p. 596
15. "Multiplexing of Variable Rate Encoded Streams", Barry G. Haskell & Amy R. Reibman, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 4, No. 4, August 1994, p. 417
16. "Constraints on Variable Bit-Rate Video for ATM Networks", Barry G. Haskell and Amy R. Reibman, IEEE Transactions of Circuits and Systems for Video Technology, Vol. 2, No. 4, December 1992, p. 361

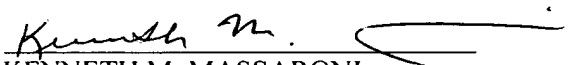
- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

By: 
KENNETH M. MASSARONI
Attorney of Record
Reg. No.: 33,015
Phone: (770) 236-4717
Fax No.: (770) 236-4806

SEND CORRESPONDENCE TO:

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Intellectual Property Dept. MS 4.3.518
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Lawrenceville, GA 30044


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on MARCH 13, 2001.


Marcia Burdick

Form PTO-1449

U.S. Dept. of Commerce, Patent and Trademarks

LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

Attorney Docket No.
A-7220

Serial No.

Filing Date

Applicant:
HUANG ET AL.

Group

1c997 U.S. PTO

09/804955

**U.S. PATENT DOCUMENTS**

Exami ner's Initial		Document No.	Date	Name	Class	Subclass	
	AA	4,636,858	1/13/87	Hague et al.			
	AB	5,216,503	6/1/93	Paik et al.			
	AC	5,461,619	10/24/95	Citta et al.			
	AD	5,479,498	12/26/95	Brandman et al.			
	AE	5,537,148	7/16/96	Fujinami			
	AF	5,543,853	8/6/96	Haskell et al.			
	AG	5,550,589	8/27/96	Shiojiri et al.			
	AH	5,556,208	9/17/96	Ide			
	AI	5,561,791	10/1/96	Mendelson et al.			
	AJ	5,594,729	1/14/97	Kanakia et al.			
	AK	5,598,415	1/28/97	Nuber et al.			
	AL	5,862,140	1/18/99	Shen et al.			
	AM	5,877,812	3/2/99	Krause et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
	AN						
	AO						

OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)

	AP	Statistical Multiplexing of Multiple MPEG-2 Video Programs in a Single Channel", Mike Perkins and David Arnstein, SMPTE Journal, September 1995, p. 596
	AQ	"Multiplexing of Variable Rate Encoded Streams", Barry G. Haskell & Amy R. Reibman, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 4, No. 4, August 1994, p. 417
	AR	"Constraints on Variable Bit-Rate Video for ATM Networks", Barry G. Haskell and Amy R. Reibman, IEEE Transactions of Circuits and Systems for Video Technology, Vol. 2, No. 4, December 1992, p. 361

EXAMINER**DATE CONSIDERED:**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.
01263-01598

Serial No.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant:
Si Jun Huang
Christopher H. Birch

Filing Date:
March 21, 1997

Group:

jc997 U.S. PTO
09/804995



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	5 1 5 9 4 4 7	10/27/92	Haskell et al.			
	5 5 0 6 8 4 4	4/9/96	Rao			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	<i>Background Information on MPEG-1 and MPEG-2 Television Compression</i> , found in November 1996 at the URL http://www.cdrevolution.com/text/mpeginfo.htm .
	<i>Video Transmission Over Broadband Networks</i> , found in URL http://www-dse.doc.ic.ac.uk/~nd/surprise96/journal/vol4/arad/report.html
	<i>DiviCom MPEG-2 ReMultiplexer</i> , Divicom, Inc., Milpitas, CA
	<i>CLI Techno Trends, The Next Step in Digital Broadcast</i> : Compression Labs, Inc. 1996

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication